

ABSTRACT

In a W-CDMA communication system, even the RNC goes into the congestion state due to increasing user data, the RNC may distribute loads while continuously performing its processing without causing system down. An ATM network used in a RAN is IP-networked, where a C plane processing device for signaling processing and a U plane processing device for user data processing are provided in a physically separated manner. With the U plane processing device, a backup system is prepared independently from an active system. When congestion occurs in the active system, part of processing is switched to and inherited by the backup system.